

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054475.D
 Acq On : 20 Mar 2019 20:35
 Operator : JC/SP
 Sample : K1994-02
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30206-10

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:48:35 PM

Quant Time: Mar 22 05:38:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	682846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1036411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	890751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	423230	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	387820	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
35) Dibromofluoromethane	7.59	113	304897	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	
50) Toluene-d8	10.09	98	1256430	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	421659	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.08	83	11341	1.023	ug/l #	88
52) Toluene	10.16	92	15931	0.935	ug/l	95
67) Ethyl Benzene	11.51	91	128119	4.003	ug/l	99
68) m/p-Xylenes	11.62	106	133366	11.002	ug/l	98
69) o-Xylene	11.95	106	83377	7.043	ug/l	95
73) Isopropylbenzene	12.25	105	103073	3.022	ug/l	99
78) n-propylbenzene	12.59	91	286262	7.741	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	316825	11.335	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1202370	43.839	ug/l	99
85) sec-Butylbenzene	13.17	105	250716	8.266	ug/l	95
86) p-Isopropyltoluene	13.29	119	162209	5.978	ug/l	98
89) n-Butylbenzene	13.61	91	255125	12.024	ug/l #	74
95) Naphthalene	15.13	128	152895m	10.128	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

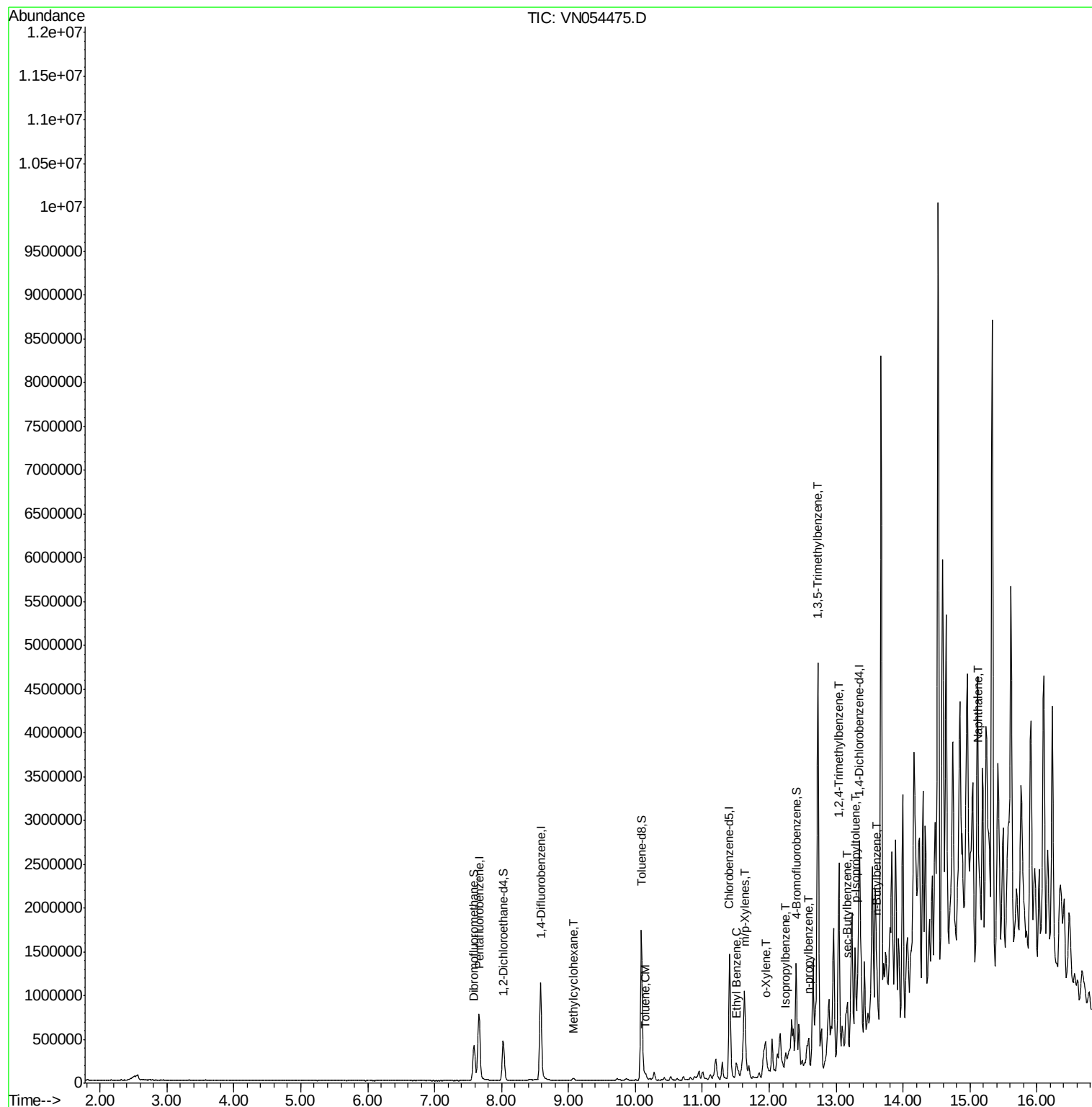
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
Data File : VN054475.D
Acq On : 20 Mar 2019 20:35
Operator : JC/SP
Sample : K1994-02
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 22 Sample Multiplier: 1

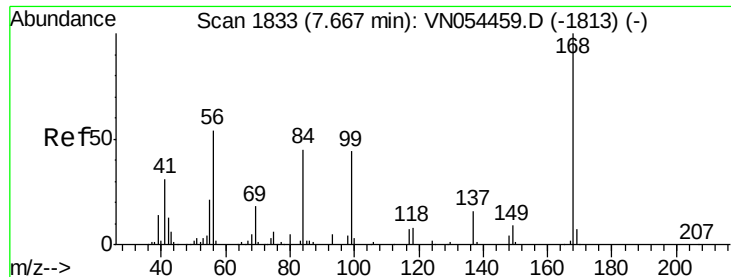
Instrument :
MSVOA_N
ClientSampleId :
30206-10

Manual Integrations
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Quant Time: Mar 22 05:38:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054475.D

Acq: 20 Mar 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

30206-10

Tot Ion:168 Resp: 682846

Ion Ratio Lower Upper

168 100

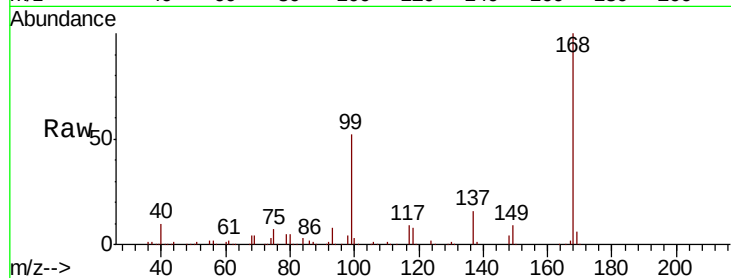
99 52.2 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

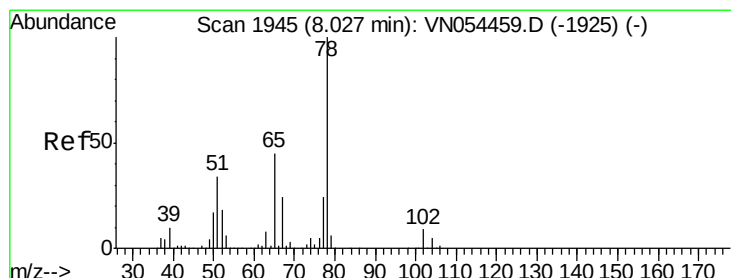
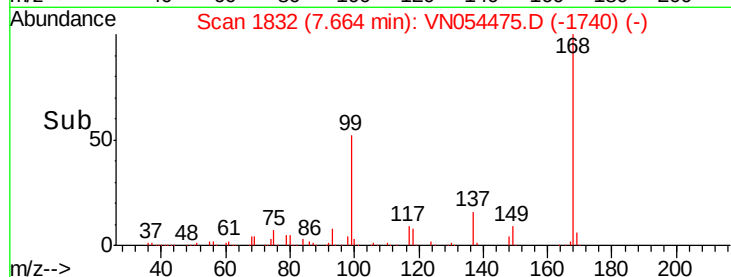
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.661 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054475.D

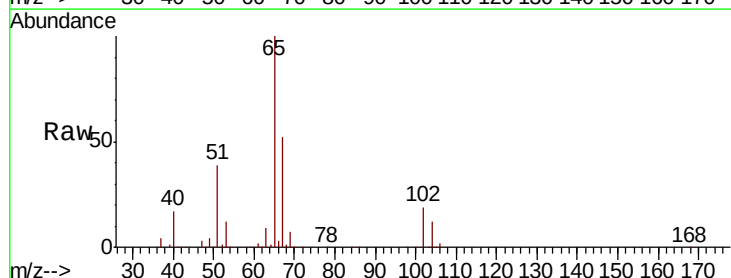
Acq: 20 Mar 2019 20:35

Tgt Ion: 65 Resp: 387820

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.02

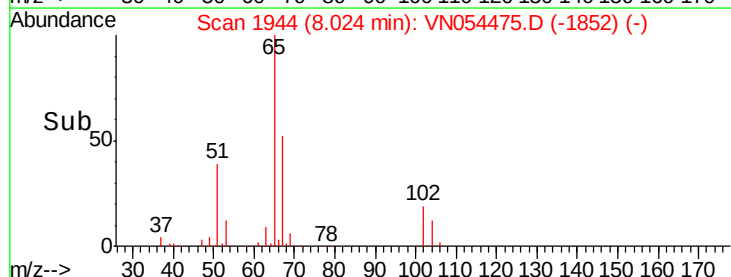
150000

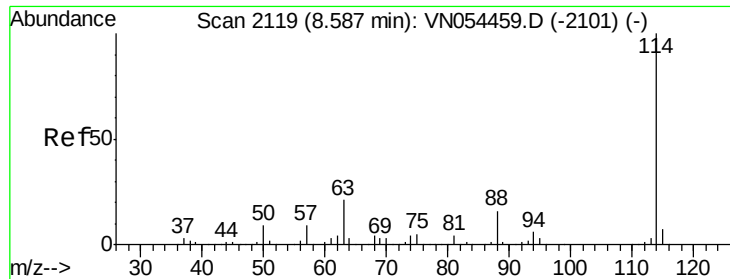
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054475.D

Acq: 20 Mar 2019 20:35

Instrument :

MSVOA_N

ClientSampled :

30206-10

Tot Ion:114 Resp: 1036411

Ion Ratio Lower Upper

114 100

63 20.9 0.0 35.2

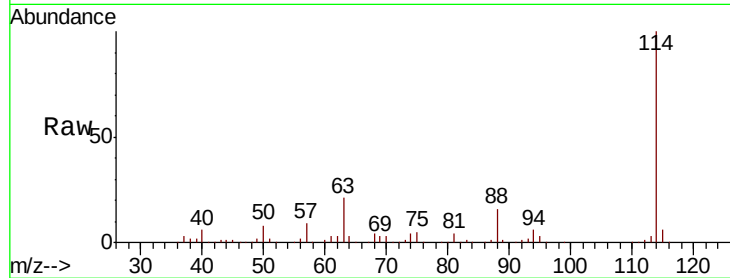
88 15.9 0.0 30.2

Manual Integrations

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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN

600000

500000

400000

300000

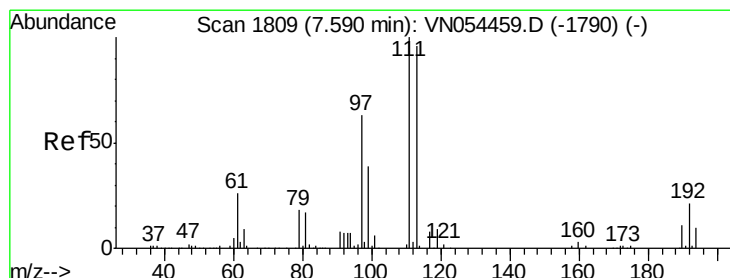
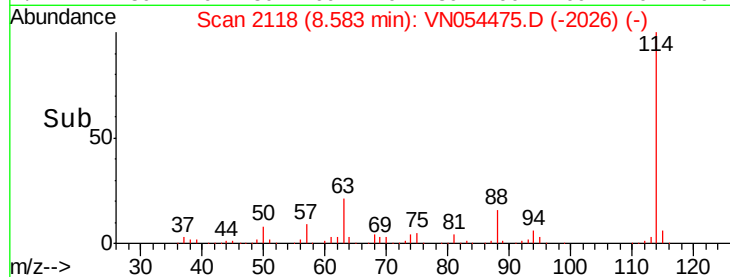
200000

100000

0

8.50 8.60 8.70 8.80

Time-->



#35

Dibromofluoromethane

Concen: 45.663 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054475.D

Acq: 20 Mar 2019 20:35

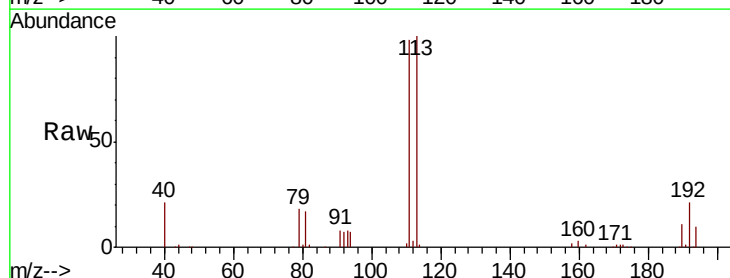
Tgt Ion:113 Resp: 304897

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 21.7 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

150000

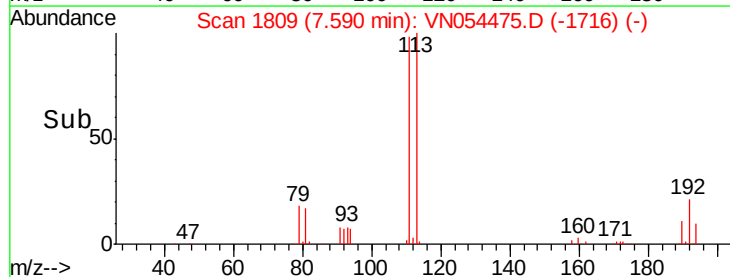
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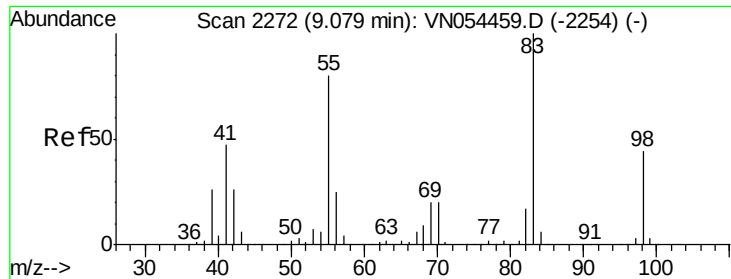
50000

0

7.50 7.60 7.70

Time-->





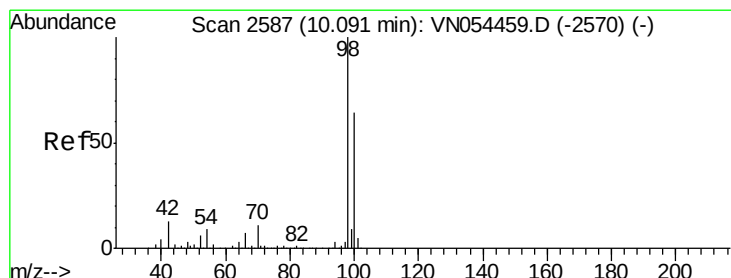
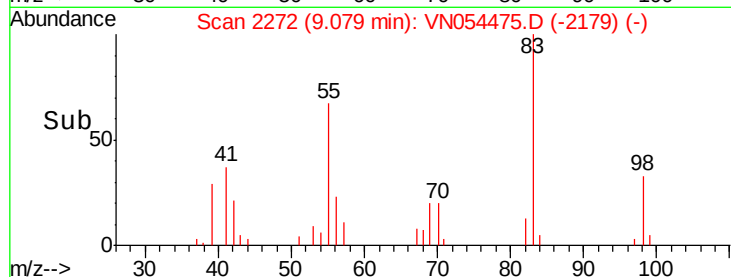
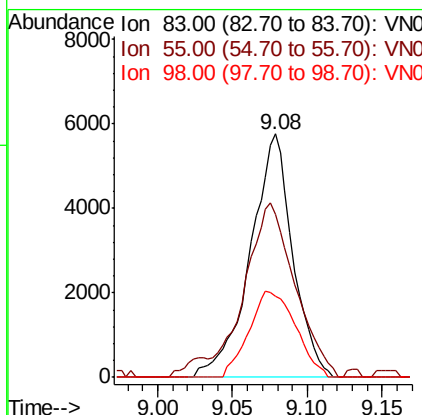
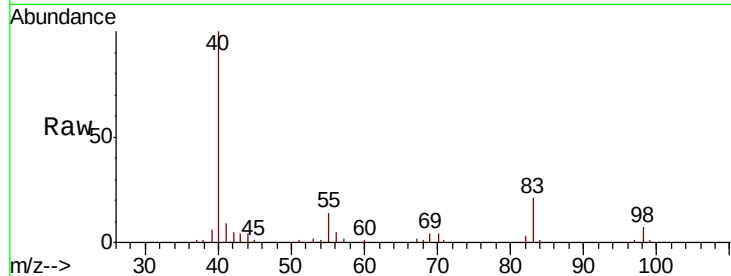
#39
Methylvlcyclohexane
Concen: 1.023 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054475.D
Acq: 20 Mar 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
30206-10

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.9	56.6	84.8
98	33.2	38.4	57.6#

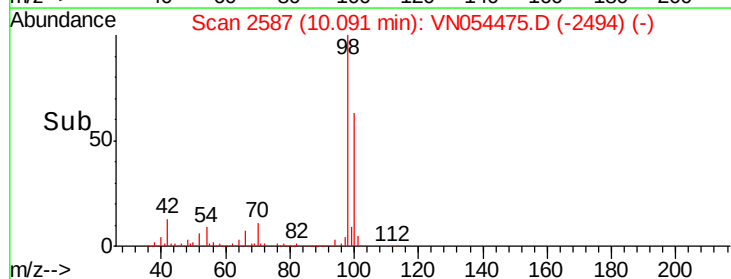
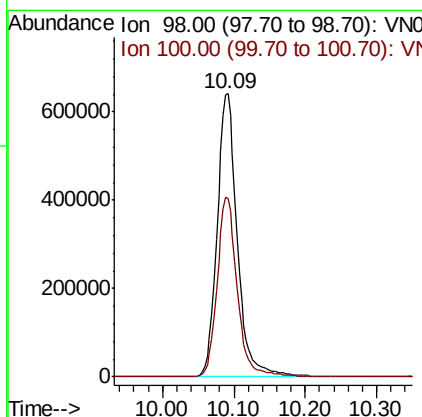
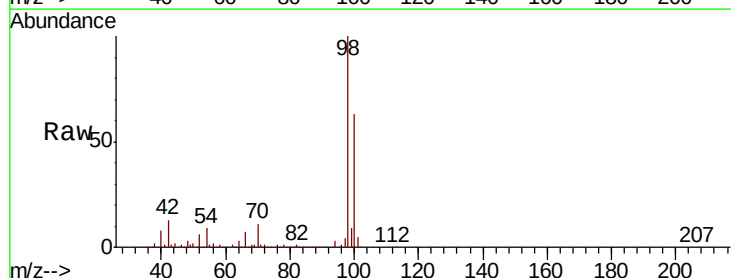
Manual Integrations
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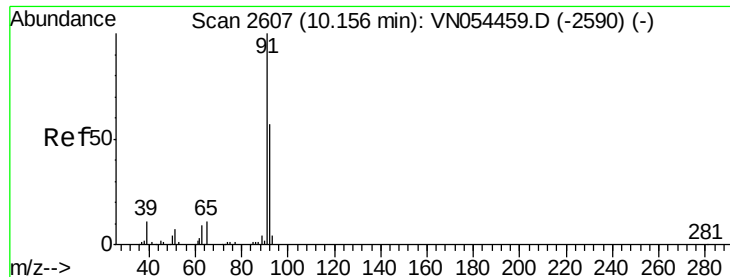
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#50
Toluene-d8
Concen: 50.054 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054475.D
Acq: 20 Mar 2019 20:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.2	76.8





#52

Toluene

Concen: 0.935 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054475.D

Acq: 20 Mar 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

30206-10

Tot Ion: 92 Resp: 15931

Ion Ratio Lower Upper

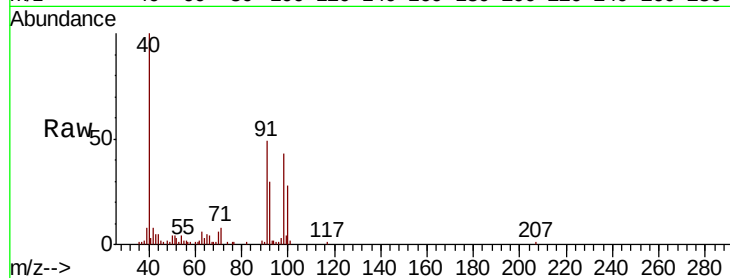
92 100

91 183.3 140.7 211.1

Manual Integrations
APPROVED

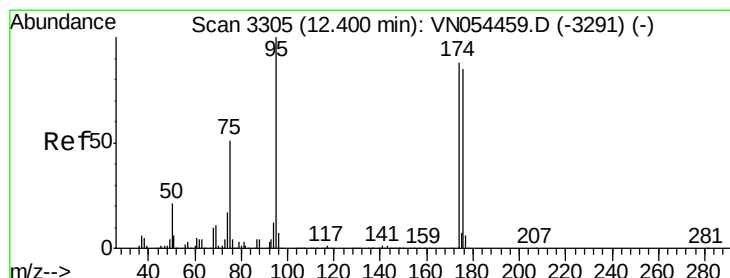
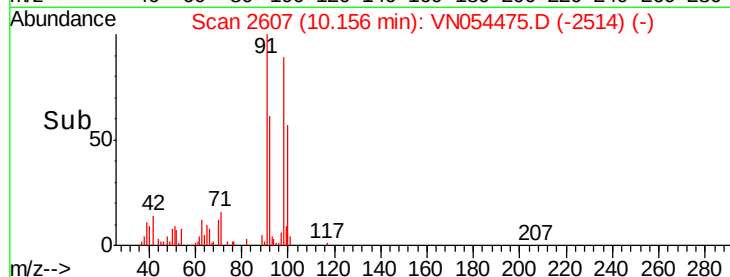
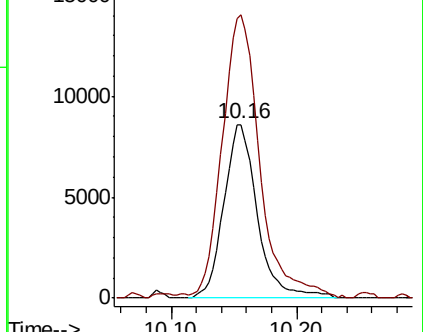
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 49.365 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054475.D

Acq: 20 Mar 2019 20:35

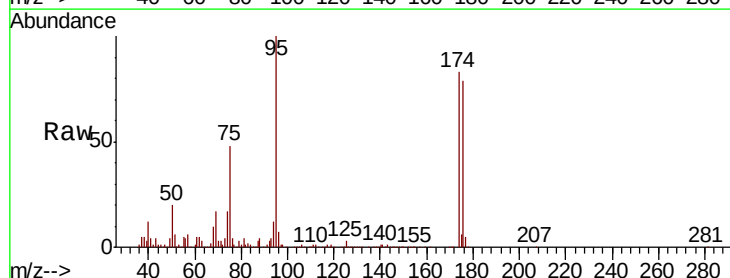
Tgt Ion: 95 Resp: 421659

Ion Ratio Lower Upper

95 100

174 84.5 0.0 191.0

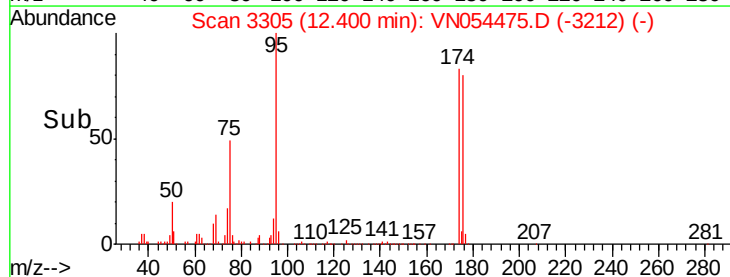
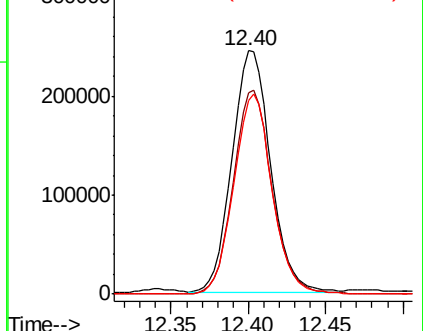
176 82.6 0.0 187.4

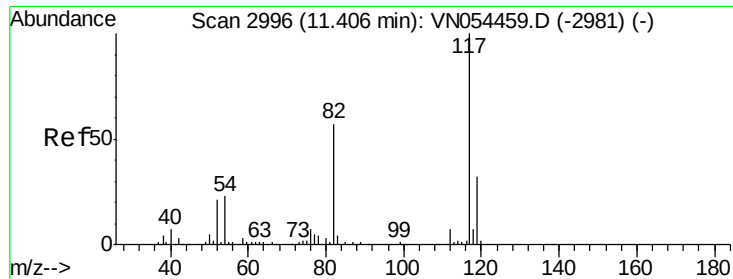


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





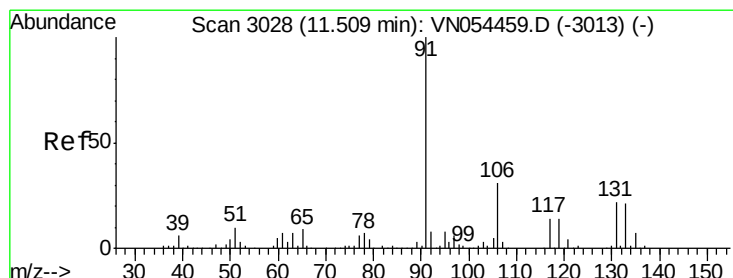
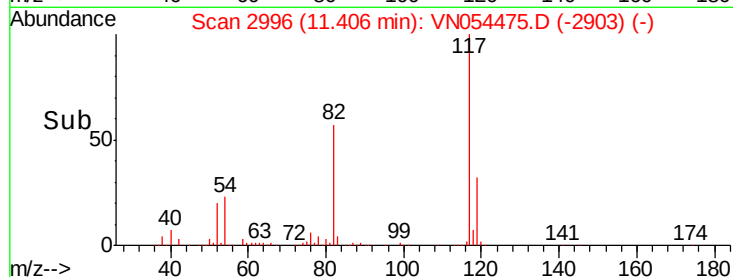
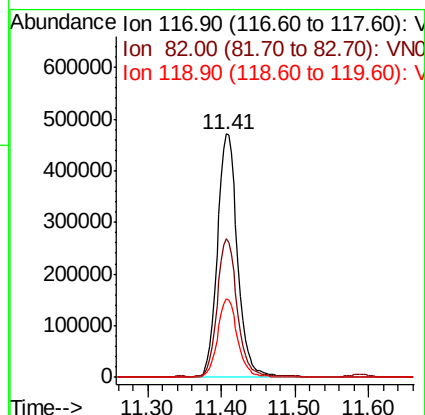
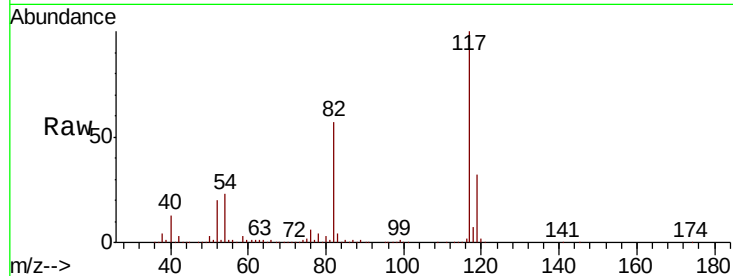
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054475.D
Acq: 20 Mar 2019 20:35

Instrument :
MSVOA_N
ClientSampled :
30206-10

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	40.0	60.0
119	32.2	25.8	38.6

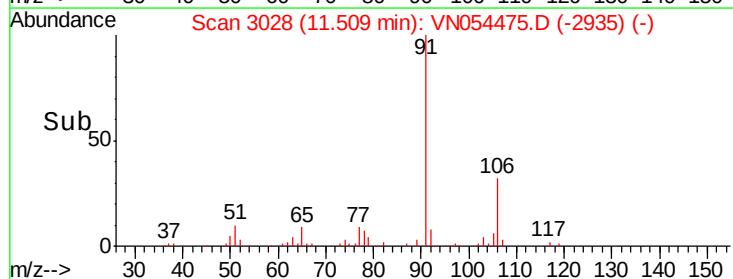
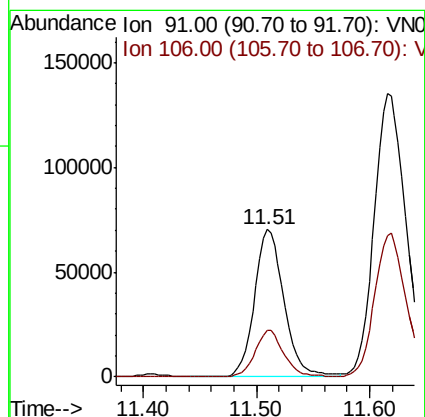
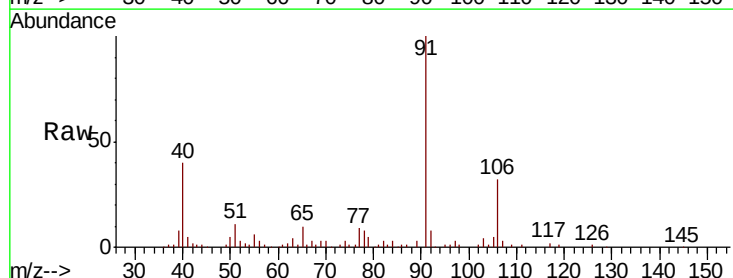
Manual Integrations
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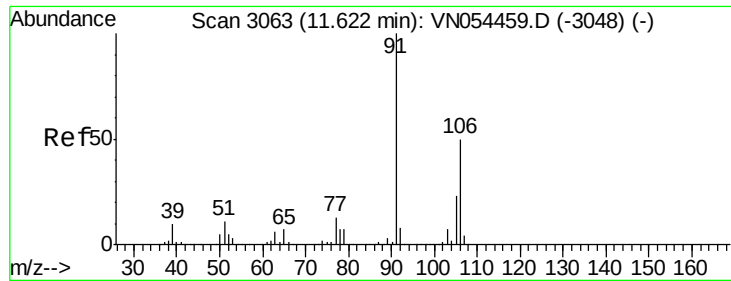
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3/22/2019 3:48:35 PM



#67
Ethyl Benzene
Concen: 4.003 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054475.D
Acq: 20 Mar 2019 20:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.5	38.3





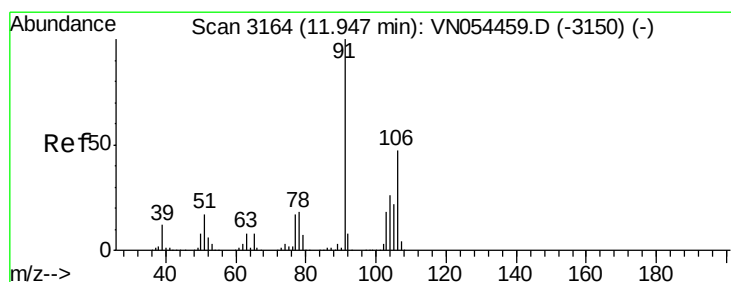
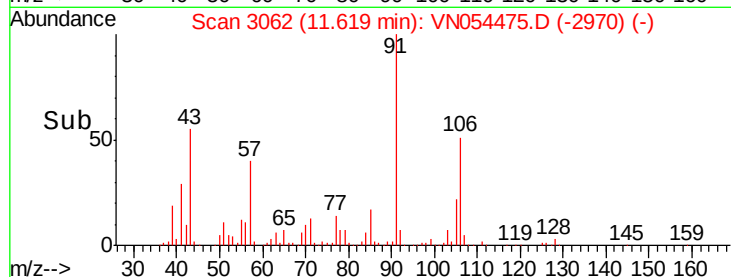
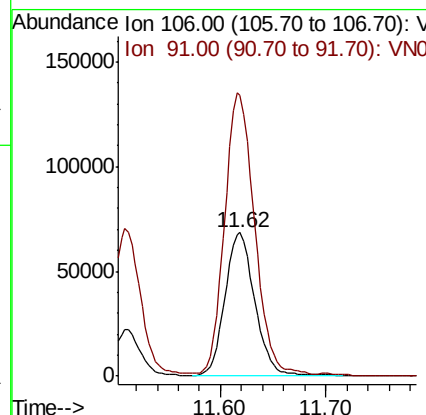
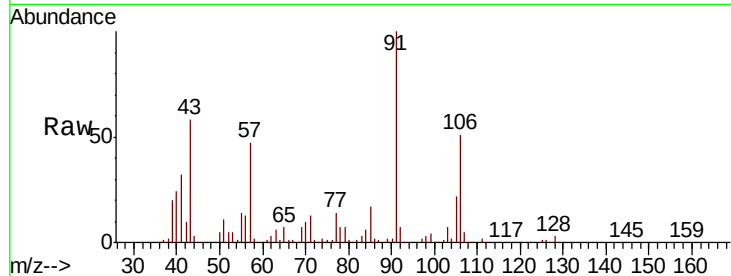
#68
m/p-Xylenes
Concen: 11.002 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054475.D
Acq: 20 Mar 2019 20:35

Instrument :
MSVOA_N
ClientSampled :
30206-10

Tot Ion:106 Resp: 133366
Ion Ratio Lower Upper
106 100
91 196.6 159.4 239.2

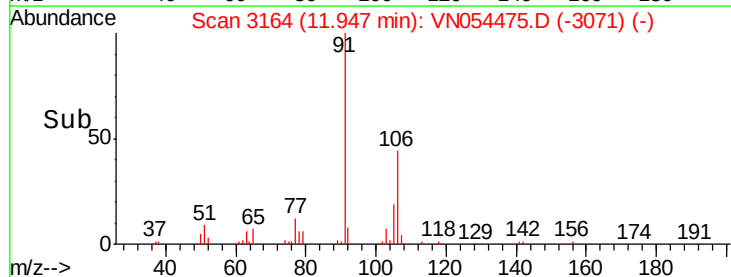
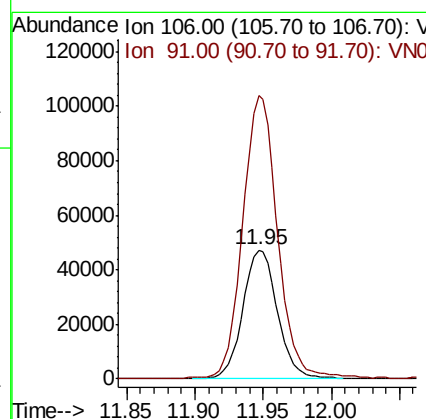
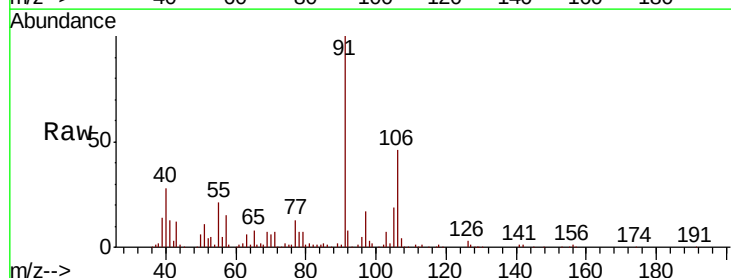
Manual Integrations
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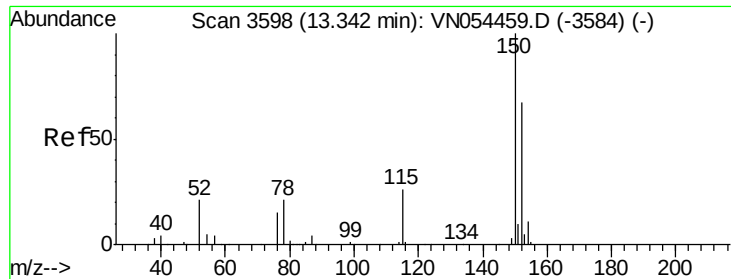
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#69
o-Xylene
Concen: 7.043 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054475.D
Acq: 20 Mar 2019 20:35

Tgt Ion:106 Resp: 83377
Ion Ratio Lower Upper
106 100
91 219.5 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054475.D

Acq: 20 Mar 2019 20:35

Instrument :

MSVOA_N

ClientSampled :

30206-10

Tot Ion:152 Resp: 423230

Ion Ratio Lower Upper

152 100

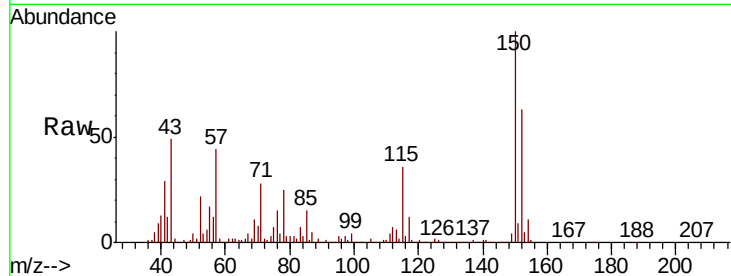
115 61.6 27.2 81.6

150 156.4 0.0 349.2

Manual Integrations
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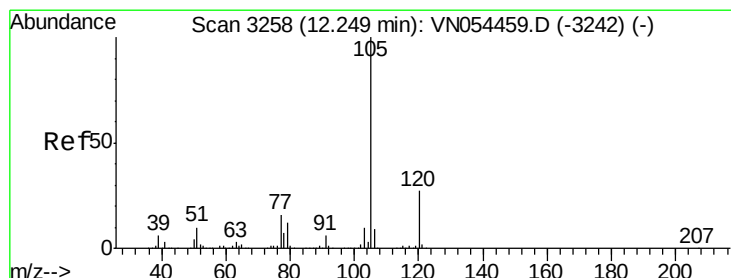
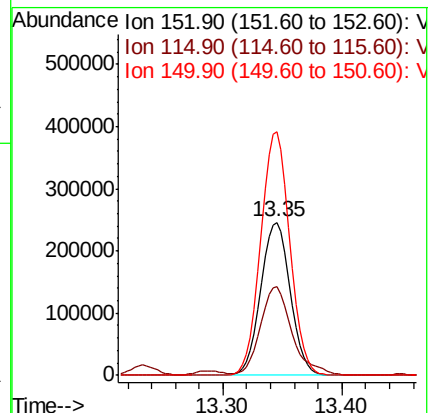
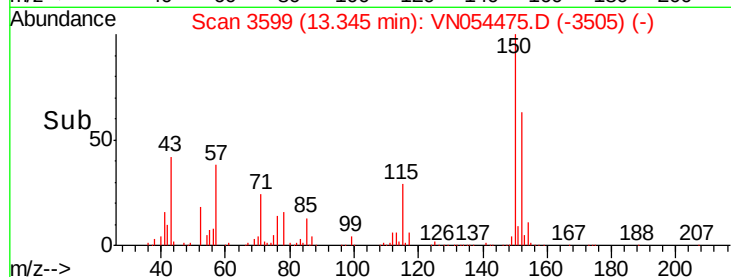
3/22/2019 3:48:35 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 3.022 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054475.D

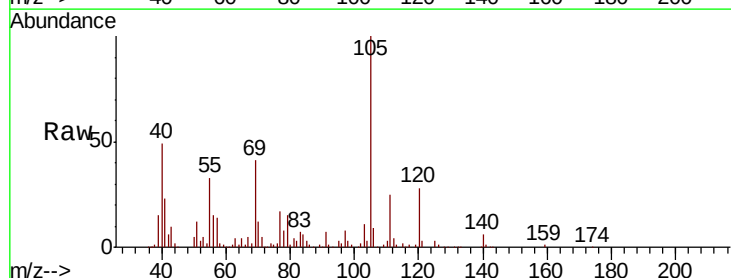
Acq: 20 Mar 2019 20:35

Tgt Ion:105 Resp: 103073

Ion Ratio Lower Upper

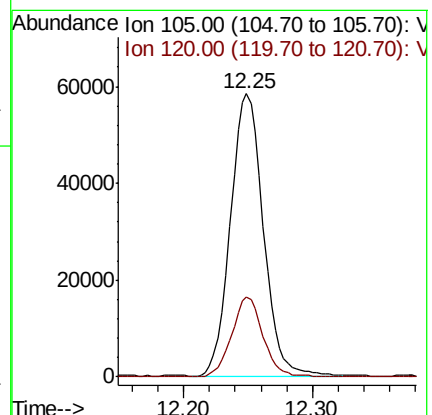
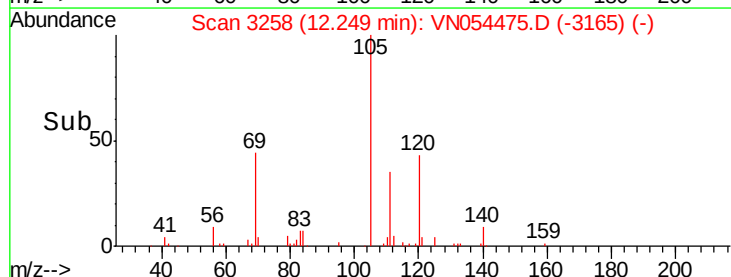
105 100

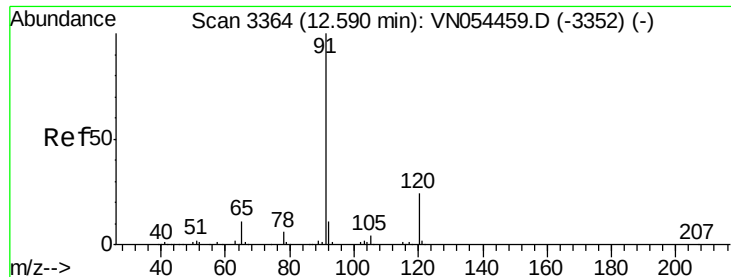
120 26.8 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 7.741 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054475.D

Acq: 20 Mar 2019 20:35

Instrument :

MSVOA_N

ClientSampled :

30206-10

Tot Ion: 91 Resp: 286262

Ion Ratio Lower Upper

91 100

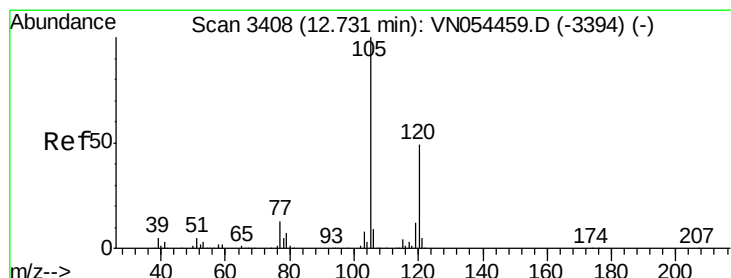
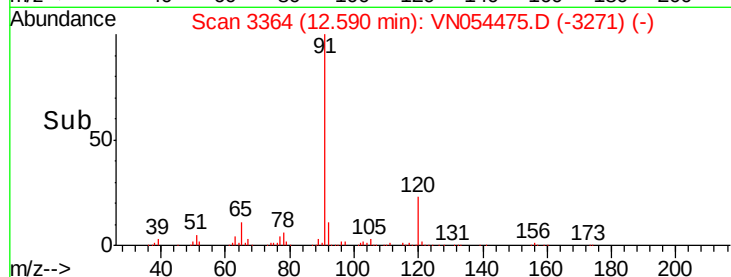
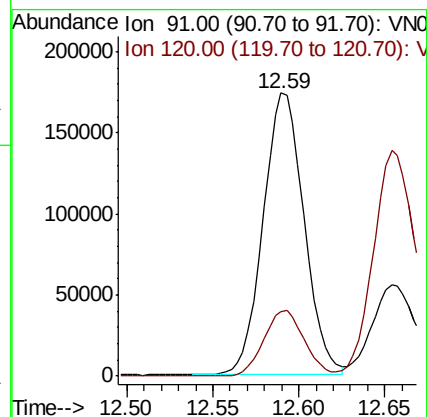
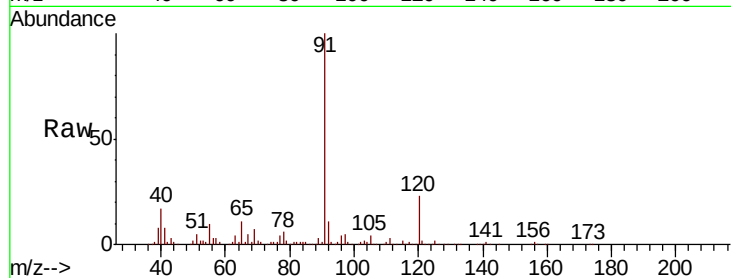
120 23.3 12.3 36.9

Manual Integrations

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3/22/2019 3:48:35 PM



#80

1,3,5-Trimethylbenzene

Concen: 11.335 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054475.D

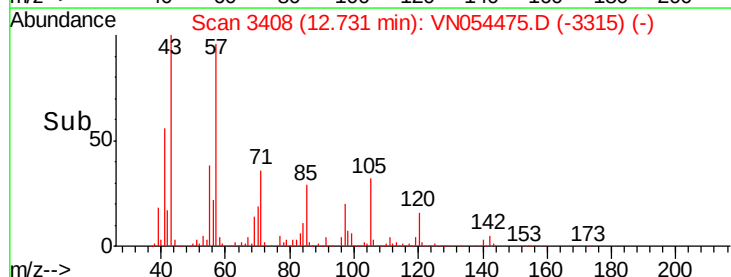
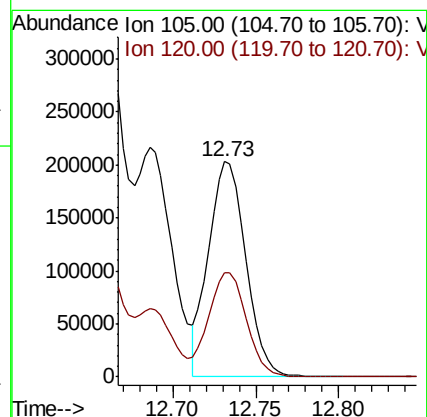
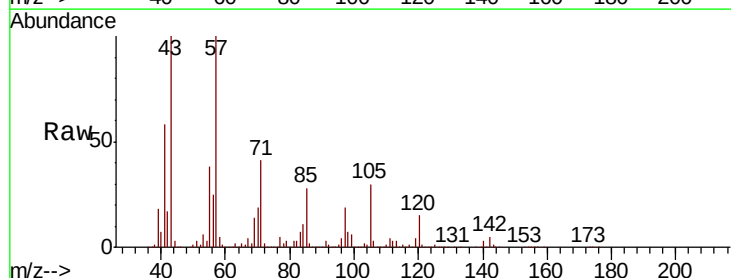
Acq: 20 Mar 2019 20:35

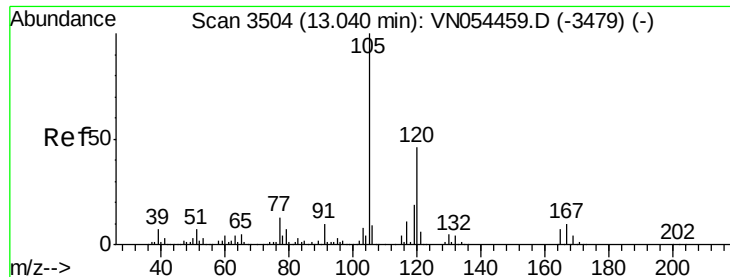
Tgt Ion: 105 Resp: 316825

Ion Ratio Lower Upper

105 100

120 49.8 25.0 75.0





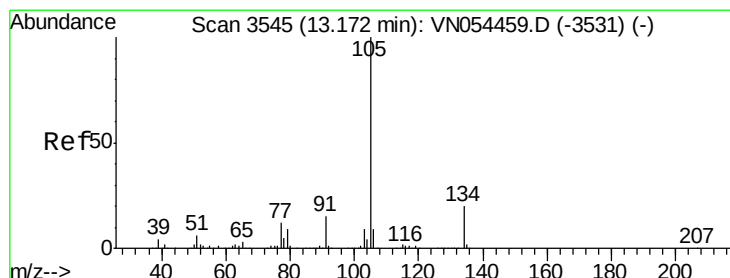
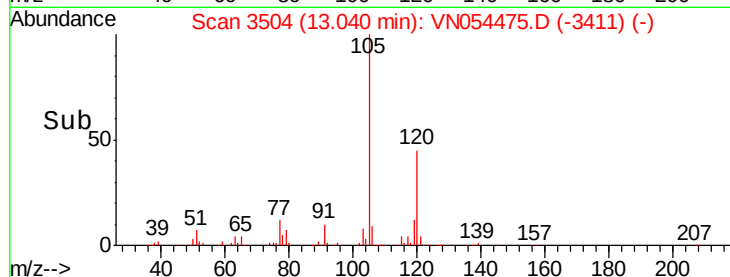
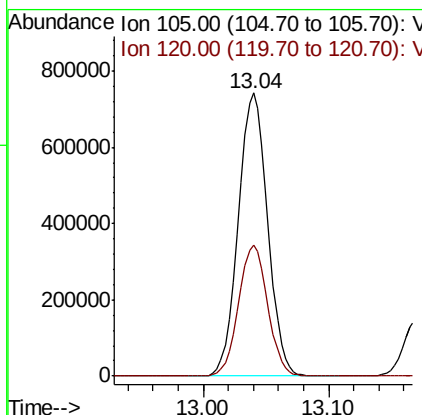
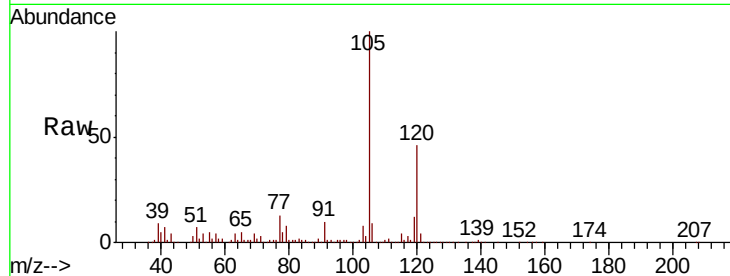
#84
1,2,4-Trimethylbenzene
Concen: 43.839 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054475.D
Acq: 20 Mar 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
30206-10

Tot Ion:105 Resp: 1202370
Ion Ratio Lower Upper
105 100
120 46.1 23.4 70.3

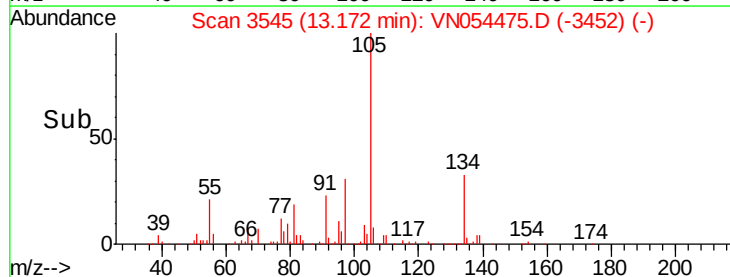
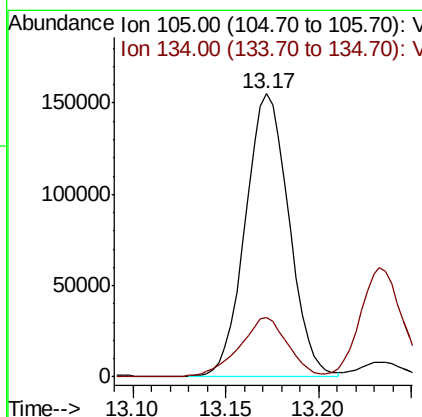
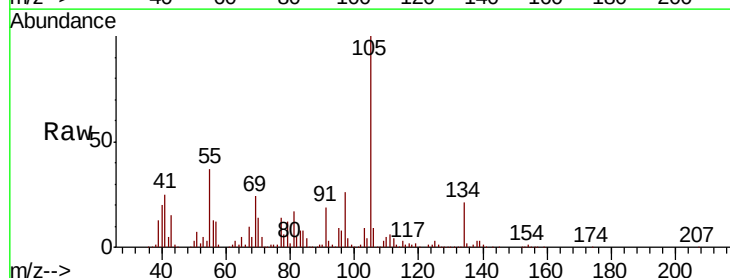
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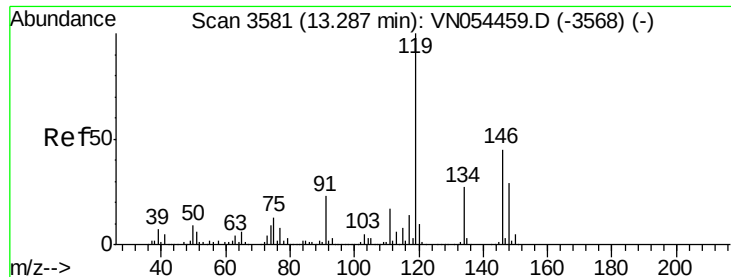
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#85
sec-Butylbenzene
Concen: 8.266 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN054475.D
Acq: 20 Mar 2019 20:35

Tgt Ion:105 Resp: 250716
Ion Ratio Lower Upper
105 100
134 23.7 10.7 32.1





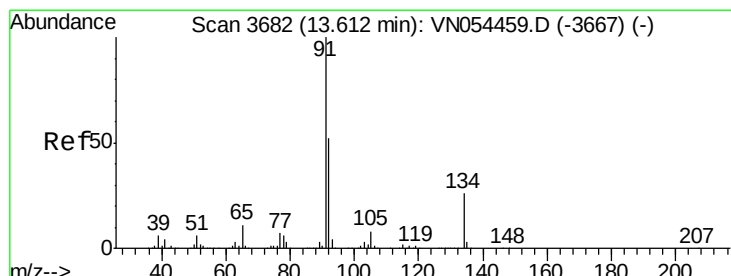
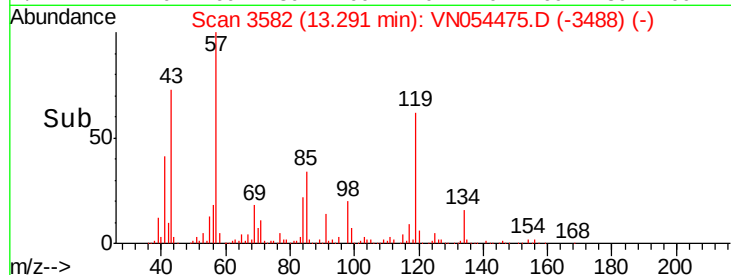
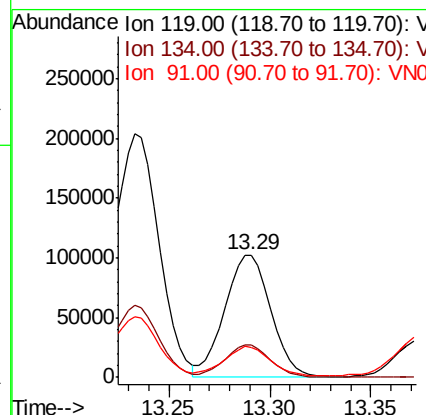
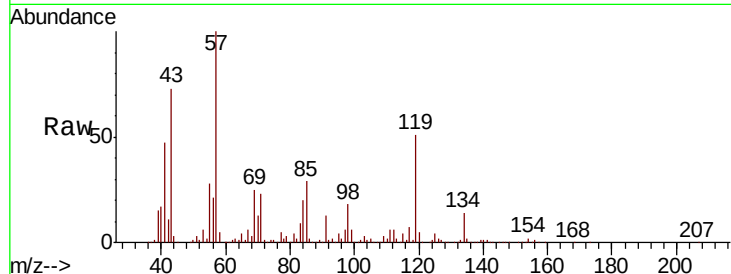
#86
 p-Isopropyltoluene
 Concen: 5.978 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054475.D
 Acq: 20 Mar 2019 20:35

Instrument :
 MSVOA_N
 ClientSampled :
 30206-10

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.6	40.8
91	23.1	11.1	33.3

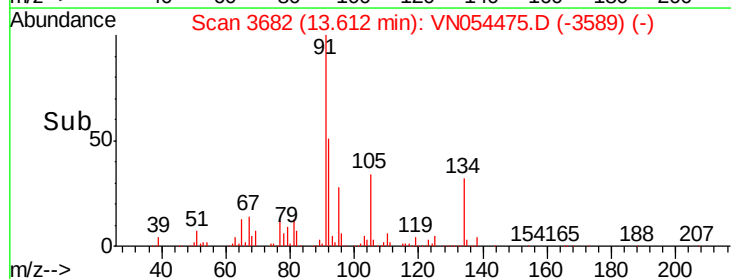
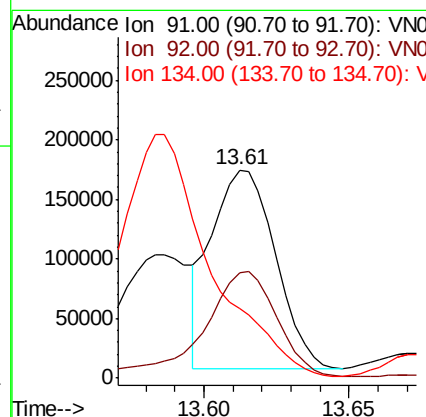
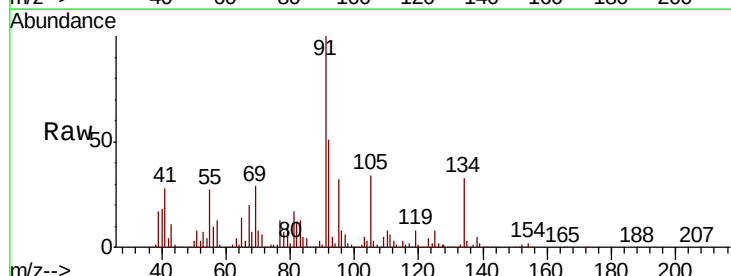
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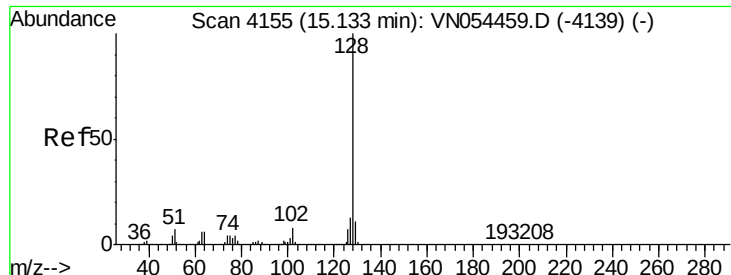
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 3/22/2019 3:48:35 PM



#89
 n-Butylbenzene
 Concen: 12.024 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN054475.D
 Acq: 20 Mar 2019 20:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.1	26.2	78.6
134	0.0	14.3	42.9





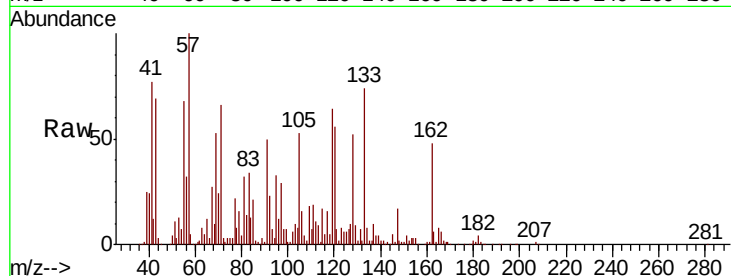
#95
Naphthalene
Concen: 10.128 ug/l m
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054475.D
Acq: 20 Mar 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
30206-10

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	0.0	10.1	15.1#
129	0.0	8.7	13.1#

Manual Integrations
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Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

